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ಅಧಿಕೃತವಾಗಿ ಪ್ರಕಟಿಸಲಾದುದು

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ಸರ್ಕಾರದ ಆಯಾ ಇಲಾಖೆಗಳ ಮುಖ್ಯಸ್ಥರ ಮತ್ತು ಸ್ಥಳೀಯ ಪ್ರಾಧಿಕಾರಿಗಳಿಗೆ
ಸಂಬಂಧಿಸಿದ ಅಧಿಸೂಚನೆಗಳು

KARNATAKA ELECTRICITY REGULATORY COMMISSION

No. 16 C-1, Miller Tank Bed Area, Vasanth Nagar, Bengaluru- 560 052

NOTIFICATION

No: KERC/OP06/2021/1794

Date: 16.11.2022

**Draft Karnataka Electricity Regulatory Commission (Merit Order Despatch and
Optimization of Power Purchase Cost) Regulations, 2022.**

1. Preamble:

The Karnataka Power Corporation Limited (KPCL) had filed the Petition No. OP 06/2021 before the Commission inter-alia praying for:

1. Framing detailed operating procedure for scheduling and despatch in consultation with generators and licensees and ensure its implementation with due approval of the Commission.
2. The State Load Despatch Centre (SLDC) to comply with the provisions of the Karnataka Electricity Grid Code (KEGC) and to compute the Landed Cost of power at the State periphery or delivery of power at the transmission network of KPTCL by including all the costs incurred in respect of each generating station, including transmission cost and not to consider the rates/figures offered by the generating companies.
3. The cost components to be considered for preparing Merit Order Despatch (MOD) based on the actual costs incurred and associated costs incurred for procurement/purchase of power by the Distribution Licensees.

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2. The Commission has heard the Petitioner and the Respondents in the matter. The Respondents also requested the Commission to frame detailed procedure concerning scheduling and despatch, as per the procedure established under the KEGC to meet the requirement in the State of Karnataka. Hence, the Commission has decided to issue draft Regulations on the Merit Order Despatch to ensure optimisation of the power purchase costs being incurred by the Distribution Licensees.
3. As per Section 181 read with Sections 61, 62 and 66 of the Electricity Act 2003, the Karnataka Electricity Regulatory Commission (Commission) is mandated to specify the principles for preparation of Merit Order Stack, for despatch Scheduling and guidelines for capacity declarations, zero scheduling, Reserve Shut Down etc, within the State of Karnataka.

Therefore, in exercise of the power conferred on it under Section 86(1) read with Sections 181,61,62 of the Act, and all the powers enabling it in this behalf, the Commission hereby makes the Regulations, namely Karnataka Electricity Regulatory Commission (Merit Order Despatch and Optimization of Power Purchase Cost) Regulations, 2022.

As required under sub section (3) of section 181 (zi) & (zp) of the Act, and the Electricity (Procedure for Previous Publication) Rules, 2005, the Commission hereby notifies the Draft Regulations, for information of the persons and all the stakeholders likely to be affected.

Notice is hereby given that the Draft Regulations will be finalised after 30 days from the date of its publication in the Official Gazette, after considering the comments/ suggestions/ objections on the draft Regulations submitted by the stakeholders. Hence, the stakeholders are requested to submit their objections/suggestions/views on the proposed draft within 30 days from the date of publication of these draft Regulations in the Official Gazette of Karnataka, to the Secretary of the Commission at the following address:

The Secretary,
Karnataka Electricity Regulatory Commission,
No 16, C-1, Miller Tank Bed Area,
Vasanthanagar,
Bengaluru-560052.

1. Short Title and Commencement

- (1) These Regulations shall be called the Draft Karnataka Electricity Regulatory Commission (Merit Order Despatch and Optimization of Power Purchase Cost) Regulations, 2022;
- (2) These Regulations shall come into force from the date of their publication in the Official Gazette.

2. Definitions

- (1) "Act" means the Electricity Act, 2003 and subsequent amendments thereof;
- (2) "Alternate Current- Usage Based Component (AC-UBC)" shall have the same meaning as specified under Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020;
- (3) "Available Transfer Capability (ATC)" means the transfer capability of the inter-control area transmission system available for scheduling commercial transactions (through long term access, medium term open access and short term open access) in a specific direction, taking into account the network security. Mathematically ATC is the Total Transfer Capability Less Transmission Reliability Margin;
- (4) "Beneficiary" means a licensee who has a share in an Inter-State Generating Station (ISGS) and/or Intra-State Generating Station (In-SGS);
- (5) "Captive generating plant" means a power plant set up by any person to generate electricity primarily for his own use and includes a power plant set up by any co-operative society or association of persons for generating electricity primarily for use of members of such cooperative society or association;
- (6) "CEA" The Central Electricity Authority of India (CEA) is a statutory organisation constituted under section 70(1) of the Electricity Act 2003.
- (7) "Central Generating Station (CGS)" means the generating station owned by the companies that are owned or controlled by the Central Government;

- (8) "Cold Start" in relation to steam turbine means start up after a shutdown period exceeding 72 hours (turbine metal temperatures below approximately 40% of their full load values).
- (9) "Commission" means the Karnataka Electricity Regulatory Commission;
- (10) "Demand" means the demand of Active Power in MW;
- (11) "Declared Capacity" or 'DC' in relation to a generating station means, the capability to deliver ex-bus electricity in MW declared by such generating station in relation to any time-block of the day as defined in the Grid Code or whole of the day, duly taking into account the availability of fuel or water, and subject to further qualification in the relevant regulations.
- (12) "Distribution licensee" means a licensee authorised to operate and maintain a distribution system for supplying electricity to the consumers in his area of supply;
- (13) "Ex-Power Plant" shall have the same meaning as defined under KEGC, 2015 and subsequent amendments thereof;
- (14) "Generating Company" means any company or body corporate or association or body of individuals, whether incorporated or not, or artificial juridical person, which owns or operates or maintains a generating station.
- (15) "Generating Station" or "station" means any station for generating electricity, including any building and plant with step-up transformer, switchgear, switch yard, cables or other appurtenant equipment, if any, used for that purpose and the site thereof; a site intended to be used for a generating station, and any building used for housing the operating staff of a generating station, and where electricity is generated by water-power, includes penstocks, head and tail works, main and regulating reservoirs, dams and other hydraulic works, but does not in any case include any sub-station;
- (16) "Hot Start" in relation to steam turbine, means start up after a shutdown period of less than 10 hours (turbine metal temperatures below approximately 80% of their full load values)
- (17) "Intra-State Transmission System" means any system for transmission of electricity other than an inter-State transmission system;

- (18) "Licensee" means a person who has been granted a licence under section 14 of Electricity Act 2003;
- (19) "Market" means a platform where buyers and sellers, either directly or through Trading Licensees, or through Power Exchanges, buy or sell electricity or Renewable Energy Certificates or Energy Savings Certificates;
- (20) "Maximum Continuous Rating (MCR)" shall have the same meaning as defined under Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations 2010 as amended from time to time;
- (21) "Merit Order Despatch (MOD)" means despatch of generating stations to supply electricity in accordance with the merit order based on variable charges taking into account any technical, regulatory and operational limits of generation and transmission facilities;
- (22) "MOD Stack" means the stack prepared on the basis of available variable charges for (n-1)th or (n-2)th month as applicable for despatch of generation in accordance with KERC (Merit Order Despatch and Optimization of Power Purchase Cost) Regulations, 2022 along with average inter-state transmission losses and AC-UBC charges for (n-1)th month and if not available for (n-1)th month then last available;
- (23) "Must Run Power Plants" means those wind, solar, run of the river hydro (excluding storage), nuclear power plants or municipal solid waste based power plants or any other power plants as specified by the Commission from time to time whose tariff is either determined or adopted by the Commission.
- Provided that the banking of power by the Distribution Licensees shall also be treated as must run and shall be out of the merit order despatch.
- (24) "Operation" means a scheduled or planned action relating to the operation of a System;
- (25) "Off Bar Declared Capability in MW" shall be considered as the difference between DC and On DC.
- (26) "On Bar Declared Capacity" (On DC) in relation to a generating station means, the capability to deliver ex-bus electricity in MW from the units on bar declared

by such generating station in relation to any time block of the day as defined in the Grid Code or whole of the day, duly taking into account the availability of fuel and water, and subject to further qualification in the relevant regulations.

(27) "Spinning Reserve" means part loaded generating capacity with some reserve margin that is synchronized to the system and is ready to provide increased generation at short notice pursuant to despatch instruction or instantaneously in response to a frequency drop;

(28) "State Load Despatch Centre" means the centre established under subsection (1) of section 31;

(29) "Technical Minimum" for operation in respect of a unit(s) of a Thermal Generating Station shall be 55% of Maximum Continuous Rating or MCR loading or installed capacity of the units on bar at the generating station after deducting the normative Auxiliary Energy Consumption Plus Auxiliary Energy Consumption compensation as per the provisions of the Grid Code.

(30) "Total Transfer Capability (TTC)" means the amount of electric power that can be transferred reliably over the inter-control area transmission system under a given set of operating conditions considering the effect of occurrence of the worst credible contingency;

(31) "Variable Charges" shall mean the charges other than Capacity Charges for generating plant whose tariff is determined by the Appropriate Commission under section 62 of the Electricity Act 2003, which shall be as per applicable Generation Tariff Regulations and for generating plants whose tariff is adopted by the Appropriate Commission under section 63 of the Electricity Act, 2003 shall mean the charges other than Capacity charges as defined under the PPA;

(32) "Warm Start" in relation to steam turbine means start up after a shutdown period between 10 hours and 72 hours (turbine metal temperatures between approximately 40% to 80% of their full load values).

(33) Save as aforesaid and unless repugnant to the context or if the subject matter otherwise requires, words and expressions used in these Regulations and not defined here, but defined in the Act, or the CERC (Indian Electricity Grid Code) Regulations or Regulations of the Central Electricity Authority or any Other

Regulations of this commission shall have the meaning assigned to them respectively in the Act or IEGC or Regulations of Central Electricity Authority or any other Regulations of the Commission as the case may be. In case of any inconsistency between provisions of IEGC and the State Grid Code, the provisions of IEGC shall prevail to the extent the same can be applied in the state in the views of the Commission.

3. Extent of Application

These Regulations shall be applicable to the SLDC, all the Distribution Licensees, Generating Companies including Captive Generating Plants supplying power to the Distribution licensees in the State of Karnataka.

Provided that the Must Run Power Plants shall be covered under these Regulations only after they have fulfilled their RPO or HPO targets as specified by the Commission from time to time.

4. General Conditions and Principles for Preparation of MOD Stack:

- (1) The Distribution Licensee shall verify the details of variable cost provided by the generating company in accordance with the provisions of applicable Regulations or Generation Tariff Orders or other relevant Orders issued by the Appropriate Commission from time to time.
- (2) The Distribution Licensee shall draw up the Merit Order Stack at the State periphery for the Intra-State and the Inter-State Generation sources after taking into account the variable charges of each generating station as submitted by the generating company along with the inter-state transmission losses and common AC-UBC charges as specified by Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020, wherever applicable.

Provided that the common inter-state transmission AC-UBC charges for the applicable period shall be computed on the basis of monthly bills raised by PGCIL and energy drawl schedule for the month from ISGS considering the bills for (n-1)th month and in case the (n-1)th month's charges are not available then the last available charges shall be considered.

Provided that the inter-state transmission loss shall be computed on the sum of variable charges of the generating station and the common AC-UBC Charges

considering the average of inter-state transmission loss for (n-1)th month and in case the (n-1)th month's losses are not available, then the last loss shall be considered.

- (3) The Distribution Licensee shall submit the Merit Order stack to the SLDC in a manner as specified in these Regulations.
- (4) The SLDC shall be responsible for coordinating the scheduling of Buyers and Sellers within its control area. The SLDC shall also be responsible for implementation of Merit Order (MOD) Stack for scheduling process considering the principles specified in these regulations, KEGC,2015 as amended from time to time or any other Regulations as specified by the Commission.
- (5) The SLDC may revise the MOD Stack considering the following:
 - a. Commencement of supply of power by a Generating Unit under a new arrangement/agreement as intimated by the Distribution Licensee.
 - b. Revision of Variable Charges for preparing the MOD stack due to Generation Tariff Orders issued by this Commission as well as Central Electricity Regulatory Commission.
 - c. Impact of change in Law in the PPAs as notified by the Distribution Licensee after approval of the Commission.

Provided that the Distribution Licensee shall submit the orders of the Commission on change in law to SLDC within 15 days of the date of Order of the Commission. Distribution Licensee as well as SLDC may seek information from the generator on the revised Variable Charges including such charge in law impact. The generator is bound to submit above information and raise invoices immediately after the order of the Commission. The generator is also obliged to submit the revision in variable charges due to generation tariff orders issued by appropriate Commission immediately after such an order is passed. In case the generator fails to submit the revised variable charges including change in law impact to the licensee within 10 days of the order of the Commission the licensee may file a petition against the generator for non-compliance of KERC MOD Regulations. If the Commission is satisfied that such an order/information has been unreasonably withheld by the generator, the generator may be imposed with a penalty as prescribed

under section 142 without prejudice to any other action that Commission deems fit in such a situation.

Provide further that the revision in variable charges under (b) and (c) above shall be applicable from 1st day of a month, which falls after thirty (30) days' time from the date of Order of Appropriate Commission.

- (6) The variable Charge for those generating plants having PPA's entered into under Section 63 of the Electricity Act, 2003 for MOD purpose shall also include impact of change in Law. However, the generating Company shall submit to the Distribution Licensee the impact of change in Law event such as changes in taxes, levies, cess etc., affecting the variable charges immediately after the same is approved by the Appropriate Commission for particular Generating Company.
- (7) For Intra State Generating Stations (InSGS) having single part tariff, total tariff shall be considered as variable charge for MOD purposes.
- (8) The Variable Charges for MOD purposes shall be provided up to 3 decimal places in Rs. /unit.

5. Periodicity and Date of Preparation of MOD Stack

- (1) The Generating Company shall furnish variable charges of the immediate (n-1)th month by first day and 15th day of every month to Distribution Licensees for the purposes of MOD.
- (2) The Distribution Licensee shall verify and submit the details of variable charges of all the Generating Stations/ units from which they are procuring power for preparing the MOD stack based on Variable Charge of (n-1)th month. In case the Variable charge of immediately preceding month is not available, the last available variable Charge needs to be considered and submitted to SLDC for preparation of the MOD Stack by the 7th day and 22nd day of every month with intimation to the seller with whom it has the PPA.
- (3) SLDC shall prepare the MOD Stack by the 12th day of every month for the data it has received by 7th day of the month, which would be effective from the 16th day of the month till the last day of the month unless revised by SLDC. SLDC shall

upload the fortnightly MOD Stack on its website in the format given at Annexure-1 by 15:00 hours on 12th of every month.

Similarly, SLDC shall prepare the MOD Stack by the 27th day of every month for the data it has received by 22nd day of every month, which would be effective from the 1st day of every subsequent month till the 15th day of that month unless revised by SLDC. SLDC shall upload the fortnightly MOD Stack on its website in the format given at Annexure-1 by 15:00 hours on the 27th day of every month.

6. General Principles for Despatch Scheduling

- 1) The general principles for the least cost despatch shall be as per the following;
 - a. Maintaining Power Balance of the Grid-The Distribution Licensee shall forecast the demand and map it with the available sources of generation to prepare the requisition schedules. The Distribution Licensee should plan in advance for procurement of power in case the forecast demand is more than the available supply.
 - b. Minimization of power procurement costs- The Distribution Licensee shall provide the requisition schedules such that the overall costs of power procurement is minimized. The Distribution Licensee shall consider not only the Variable Charges but also other variables costs such as Start-up and Shut- down costs, compensation charges due to lower unit loadings of generators, and any other variable costs for preparing the requisition schedules. The Distribution Licensee should use advance optimization tools to dynamically consider all variables costs and system constraints to dynamically generate the least cost requisition schedules.
 - c. Avoidance of Load Curtailment-
 - (i) The Distribution Licensee, while creating MOD stack at pre-despatch stage and SLDC while scheduling, shall plan in advance for keeping sufficient number of generation units online such that the system is able to ramp-up or ramp-down during peak and off-peak hours in a day to avoid any load curtailment.
 - (ii) The Distribution licensee, while creating MOD stack at pre despatch stage and SLDC while scheduling should consider the Generating

plant's applicable dynamic properties such as ramp rates along with the part-load fuel consumption and associated fuel costs before selecting the unit to back-down or shut-down:

- a. The Distribution licensee and SLDC shall also consider the ramping capability and storage capacities of energy storage plants or reservoir/pondage based hydro plants or any other technology/source recognized by the Appropriate Commission having capacity to provide smooth power transition to peak demand hours;
- b. If the system conditions demand the reserve shut down of any plant owing to lower demand scenarios, the Distribution Licensee or SLDC should consider the start-up properties of the generating plant such as minimum time online, minimum time offline, start-up fuel costs, start-up fuel consumption rates etc.

d. SLDC shall optimize the number of generating units online in order to:

- (i) accommodate sudden variation in the generation of Intermittent Schedules from Renewal Energy Sources (RES).
- (ii) meet the demand during the peak demand period considering the ramping requirements and the start-up/shut-down time for generators:

Provided that the SLDC may curtail some of the must-run or the intermittent RES generation in case the system constraint does not allow backing/shut-down of the thermal plants:

Provided further that SLDC shall provide reasons for curtailment of intermittent RES.

- e. Adequacy of Spinning Reserves- SLDC shall ensure the adequacy of the Spinning Reserve requirements of the system for frequency stabilization. The SLDC shall maintain the active reserve requirements of the system, namely, Primary Control Reserve or FCR (Frequency Containment Reserve), Secondary Control Reserve (SCR) or FRR (Frequency Restoration Reserve), Tertiary Control Reserve or Replacement Reserve (RR).

- e. Compliance to Regulations- the Distribution Licensee, while preparing the requisition schedules, should consider various constraints and costs as stipulated by different Regulations such as the CERC (Indian Electricity Grid code) Regulations, 2010 and its amendments such as deteriorated Station heat rate, auxiliary energy consumption and compensations in terms of primary fuel consumption levied beyond certain numbers.
- g. System and Policy Constraints- The Distribution Licensee, while preparing the drawal schedules, should also consider any system or policy constraints such as fuel constraints; transmission constraints (ATC/TTC of the interconnected system) for optimal scheduling. For this purpose, the ATC/TTC shall be uploaded on the SLDC website every fortnight.
- h. Opportunities in the market- the Distribution Licensee should not only consider the contracted generation through PPAs at its disposal but also the existing market opportunities for purchasing power during deficit scenarios or replacing costlier generation after taking into account the market scenario in order to optimize overall power procurement cost.
- 2) SLDC shall prepare the centralized MOD stack by obtaining the MOD stacks from each Distribution Licensees. Based on the total power requisitioned by various beneficiaries of the generating company, SLDC shall schedule generating plant subject to the least cost despatch principles, while considering all systems and cost constraints to maintain the grid frequency within the prescribed limits as per the IEGC Regulations.
- 3) The Distribution Licensee shall plan in advance Reserve Shutdown (RSD)/ revival from RSD based on forecast of demand, supply availabilities and market prices:
- Provided that the Distribution Licensee shall undertake cost benefit analysis before planning shutdown/revival of any generating station based on total power portfolio including other instruments like power exchange and banking etc.
- 4) The Operation of Generating Units at Technical Minimum shall be strictly guided by the Scheduling and Despatch Code:

Provided that SLDC, on the basis of these Regulations, shall prepare and submit the revised Scheduling and Despatch Code, within 15 days from the date of notification of these Regulations for the approval of the Commission:

Provided further that SLDC shall also develop the formats for reporting to the Commission the instances where MOD is not adhered to along with reasons thereof.

7. Guidelines for capacity declaration by generating units

- (1) The Generating Company shall provide the ex-power plant Generation Schedule in MW for each time-block on day ahead basis, in accordance with the provisions of KEGC, after taking into account the availability of fuel and water.
- (2) The Generating Company shall also provide the additional information regarding the fuel and water availability in the following format to SLDC and contracted Distribution Licensee on day ahead basis.

	Requirement as per Generation Schedule	Availability	Remarks on shortfall, if any
Fuel 1 (units)			
Fuel 2 (units)			
Fuel.....			
Water			
.....			

- (3) Revision of (DC) by State Generating Stations SGS and requisition Scheduled Generation (SG) by beneficiary (ies) for remaining part of the day shall also be permitted with advance notice. Revised schedule/declared capacity in such cases shall become effective from 3rd time block (N+2), counting the time block in which request for revision has been received in the SLDC to be the first one. Schedule generation shall be revised with a ramp up/ ramp down rate keeping in view the Original Equipment Manufacturer (OEM) characteristic of the machine, while comparing it with actual ramp up and ramp down rate achieved historically as provided in sub-Regulation (V) below. It is being categorically clarified that for Inter State Generating Stations and other Interstate entities the revision shall become effective as per IEGC and its amendments thereof.

- (4) SLDC may seek the Generating Station/Units to demonstrate the maximum DC of Generating Unit for the day or Generation Schedule for the particular time block, in any of the following circumstances:
- In case the Declared Capacity by any Generating Station for a particular Generating Unit during Peak Hours is lower than Off Peak hours.
 - In case the Declared Capacity (DC) for a particular Generating Unit during the low demand period during the year is higher than the generation Schedule during the high demand period during the year.
 - In case the variation in minimum and maximum Declared Capacity by any Generating Station for a particular Generating Unit during various time blocks of the day is more than 20% of the contracted capacity.
 - Based on request of contracted Distribution Licensee.
- (5) The ramp up and ramp down rates shall be declared by the generating companies looking at the OEM characteristic of the turbine as certified/ furnished by the manufacturer.

Provided that the ramp up and ramp down rates as provided above should be comparable to the rates achieved in the past by the generating units based on the historical data. After substantiating with such a comparison, the ramp up and ramp down rates shall be uploaded on the website by SLDC.

- (6) SLDC may develop a comprehensive monitoring and audit procedure to identify and report the events of mis-declaration by the generators in terms of their DCs, fuel and water availabilities, ramping capabilities etc. SLDC should also develop a monitoring mechanism or dashboard to identify 'gaming' by the generator in providing DCs. The information should also be available on SLDC website.
- (7) SLDC shall prepare the report of such instances of mis-declaration and publish the report on its website. SLDC shall also send such report to the concerned Distribution Licensee having PPA with such Generating Plant/Unit on monthly basis by 5th of every month.

8. Guidelines for 'Zero schedule for Generation Units

- (1) If the anticipated generation availability is more than the anticipated demand, or in case there is cheaper power available in the power markets, the Distribution

Licensee may consider giving Zero Schedule to some of its contracted sources for the period during which the demand is expected to be lower than the total contracted sources availability put together for optimising its power procurement cost.

- (2) The Distribution Licensee shall ensure that, there shall not be any adverse impact on its power procurement cost on account of zero scheduling of contracted generator:

Provided that, the Distribution Licensee shall submit six monthly reports regarding such decisions to the Commission for each financial year.

- (3) SLDC shall provide its concurrence to the proposed "Zero Schedule" by Distribution Licensee considering the demand-supply position and transmission constraints.

- (4) If grid constraints prevent the Zero Scheduling of the Unit with the highest variable Charge in the MOD Stack, the Unit with next highest Variable Charge needs to be considered:

Provided that SLDC shall publish the details of such grid constraints along with the period for which it is likely to persist on its website on 1st and 15th day of every month.

- (5) Any additional cost implication in Variable Charges (by means of inferior norms of operation or minimum fuel off-take conditions) that arises on account of Zero Scheduling shall be borne entirely by such Distribution Licensee and shall be dealt with as per provisions under PPA with generators. Pass through to the Distribution Licensee on this account will not be allowed, while truing up the power procurement cost unless it is a case of scheduling error on account of SLDC.

Notwithstanding anything provided above, SLDC will have to notify the reasons for such incorrect scheduling and the costs thereon shall be borne by SLDC and shall not be allowed as a pass-through expenditure in its ARR.

9. Guidelines for instructing reserve shut down (RSD) of generating units by SLDC

- (1) Generating units are to be put under Reserve Shutdown, strictly on the basis of merit order despatch and grid constraints if any:

Provided that SLDC shall publish the details of such grid constraints along with the period for which it is likely to persist on its website on 1st and 15th day of every month.

- (2) Request for putting generating units under Reserve Shutdown shall be submitted by the beneficiary to SLDC in Format RSD-1 as prescribed by SLDC in its Scheduling and Despatch Code. The Beneficiary should also timely intimate the generating station regarding the above proposed RSD.
- (3) Appropriate ramp-down rate shall be allowed by SLDC during reserve shutdown as specified under Regulation (7) of these Regulations.
- (4) The Generator shall ensure that the DC is not more than the MCR less normative auxiliary consumption of the machines under RSD.
- (5) No maintenance activities on unit under RSD shall be undertaken by the generating station so that the RSD unit is always readily available for revival/synchronization. If a generating station requires maintenance on any machine under RSD, then the same shall be done with due approval from beneficiary and SLDC.
- (6) The RSD should be applied to Units with higher Variable charges in the MOD Stack, subject to grid conditions permitting the same.
- (7) SLDC shall upload details of the RSD of the previous month in the format at Annexure-2 on its website by the 3rd of every month.

10. Methodology for Revival of Generating Station or Unit(S) from Reserve Shut Down(RSD)

- (1) The Generating units shall be revived from Reserve Shutdown strictly on the basis of merit order and after taking into account other cheaper options available in the power market to meet the peak demand by the distribution licensee/beneficiary:

Provided that exceptions can be made only in case of transmission constraints.

- (2) Once a unit is taken out under RSD, it can be recalled any time after 8 hours. In case of system requirements, the generating unit can be revived before 8 hours as per the instructions of the SLDC. Similarly, distribution licensee can also direct revival of a unit before 8 hours looking at overall cost implication:

Provided that the time to start a machine under different conditions such as HOT, WARM and COLD shall not be more than 4 hours, 8 hours and 12 hours respectively. However, if a generating unit under RSD is put under wet preservation after prior intimation to SLDC/beneficiary, additional six hours will be allowed to start the unit:

Provided further if machine is unable to revive within the prescribed time, such generating company shall provide the reasons along with justification to the SLDC and SLDC shall act accordingly.

- (3) In units with same variable cost, whose revival time is less, should be revived first.
- (4) Time taken to revive the unit from RSD shall be counted from the time of intimation given by SLDC to concerned generating station. SLDC may intimate the generator to revive the unit in advance (more than specified time to revive the unit)
- (5) One or more beneficiaries of the generating station as well as the generating station may decide for revival of unit(s) under RSD with commitment for technical minimum schedule with post revival minimum run time of 8 hours for Coal based generating stations and 3 hours for Gas based generating stations. In such situations, the generating station shall revise the On Bar and Off Bar Declared capacity with due consideration to ramp up/ ramp down capability.
- (6) Request for revival of generating unit from reserve shutdown are to be submitted by the beneficiary to SLDC in format RSD 2, as provided by SLDC in its Scheduling and Despatch Code.
- (7) During start-up, appropriate ramp-up rate shall be allowed by SLDC as specified under Regulation 7 of these Regulations.

In case the machine is not revived as per the revival time declared by the generating station or the time given by the SLDC for different types of machine to start, the machine shall be treated under outage for the duration starting from

the likely revival time and the actual revival time upto DC during such duration shall be considered as zero. SLDC shall ensure that intimation is sent to the generating station in advance, keeping in view its start-up time.

11. Technical Minimum Schedule for Operation of Intra-State Generating System (InSGS) (Generating Units) Connected to Intra State Transmission System (InSTS)

- (1) The technical minimum for operation in respect of a coal fired/gas fired/multi fuel based thermal generating unit connected to the STU shall be 55% of its installed capacity or as amended under IEGC.
- (2) InSGS may be directed by SLDC to operate its unit(s) at or above the technical minimum but below the normative plant availability factor on account of grid security or due to fewer schedules given by the Distribution Licensee.
- (3) InSGS, which is directed by the SLDC to operate below normative plant availability factor but at or above technical minimum, shall be compensated as per the mechanism specified by the Commission through its Regulations or orders from time to time:

Provided that SLDC within 15 days shall develop required formats for compensation payable to generators and the resulting compensation shall be uploaded on their website each month for such station.

- (4) The Commercial arrangements shall be made as per applicable Deviation Settlement Mechanism(DSM).

12. Power to Amend

The Commission may, at any time, vary, alter, modify or amend any of the provisions of these Regulations.

13. Power to Remove Difficulties

If any difficulty arises in giving effect to the provisions of these Regulations, the Commission may, by general or specific Order, make such provisions not inconsistent with the provisions of the Act, as may appear to be necessary for removing the difficulty.

14. Power to Relax

The Commission may by general or special order, for reasons to be recorded in writing, and after giving an opportunity of hearing to the parties likely to be affected by grant of relaxation, may relax any of the provisions of these Regulations on its own motion or on an application made before it by an interested person.

15. Power to issue Practice Directions, Code, Guidelines

Subject to the provisions of the Act, the Commission may, from time to time, issue Practice Directions or Code(s) or Guidelines with regard to implementation of these Regulations.

16. Repeal & Savings

1. Save as otherwise provided in these Regulations, any earlier Regulations or Order dealing with merit order despatch, stand repealed from the date of notification of these Regulations.
2. Notwithstanding such repeal, anything done or any action taken under the repealed Regulations or orders, in so far as it is not inconsistent with the provisions of these Regulations, shall be deemed to have been done or taken under corresponding provisions of these Regulations.

By Approval of the Commission

Secretary

Annexure-1

**State MOD Stack of Variable Charges (VC) for the fortnightly
(Effective from ____ to ____)**

Sl. No.	Generating Station	Variable Charge(Rs./kWh)

*Note: - For Intra State Generating Stations (InSGS) having single part tariff, total tariff shall be taken as Variable Charge for MOD purposes".

Annexure-2

Backing Down report for the date

Sl. No.	Generating Station / Unit	Backing Down Period (Time Blocks)		Target Despatch Schedule(MW)		Backing Down quantum (MW)	Remarks
		From	To	Declared Capacity	Despatched Schedule		



KARNATAKA STATE BOARD OF AUQAF

{Constituted by the Govt. of Karnataka under the Waqf Act, 1995 (Central Act-43 of 95)}

"Darul Auqaf" # 6, Cunningham Road, Bengaluru-560 052

Tel: 080-22264 594/22264 595 Fax: 080-22255 663

Website:www.karwaqf.org / / e-mail:info@karwaqf.org.



Form No. 03
(Sec 36. Regulation 21(3))

No. KSBA/REG/04/BNU(N)/2022-23

Date:10 .08 .2022

REGISTRATION CERTIFICATE OF WAQF

* * * * *

It is hereby certified that the Institution and the properties described here under is registered as Waqf and brought on the Register of Kitab - ul - Auqaf in accordance with the provisions of Sec 36 of Waqf Act 1995 (Amended in 2013).

A public notice dtd: 02.07.2022 was issued and published at the conspicuous places in the vicinity and District Waqf Advisory Committee, Bengaluru Urban(N) District.

The Mahazar report dtd: 11.07.2022, It is reported that no objections or suggestions have been received.

Sl No. Of Kitab- ul- Awqaf	Details of Properties					Source of Waqf	Nature of Management
	Waqf Institution Details	Name of the Village/ Town	Sy No./ CTS / VPC/ Khata	Extent (A-G/ Sqft.)	Boundaries E W N S		
616	Masjid-e-Muzammil, Ahle Sunnathul Jamath Trust(regd), Ramakrishna Hedgenagar, Thanisandra, Dr Shivaram karanthnagar post. Bengaluru - 560077, Bengaluru North Taluk, Bengaluru Urban District.	Ramakrishna Hedgenagar, Thanisandra,	Assesment No. 90 Site No. 410A	<u>E - W - 130'</u> <u>N - S - 90'</u> <u>= 11,700</u> <u>SQFT</u>	East: Govt. Land. West : Road. North: Site No. 409 & 410. South : Govt. Land..	Waqf Deed By Janab Vajeer Ahmed S/o Ibrahim Sab	Masjid-e-Muzammil, Ahle Sunnathul Jamath Trust(regd), represented by its President / Secretary.

This certificate is issued by virtue of powers delegated vide order no. KSW/09/ADM/2010-11 Dated: 19.05.2016 of Karnataka State Board of Auqaf.

(Dr.Maazuddin Khan)
Addl. Chief Executive Officer
Karnataka State Board of Auqaf.



KARNATAKA STATE BOARD OF AUQAF

{Constituted by the Govt. of Karnataka under the Waqf Act, 1995 (Central Act-43 of 95)}

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Website:www.karwaqf.org / / e-mail:info@karwaqf.org.



Form No. 03
(Sec 36. Regulation 21(3))

No. KSBA/REG/06/BNU(s)/2021-22

Date: 18 .04.2022

REGISTRATION CERTIFICATE OF WAQF

* * * * *

It is hereby certified that the Institution and the properties described here under is registered as Waqf and brought on the Register of Kitab- ul – Auqaf in accordance with the provisions of Sec 36 of Waqf Act 1995.

A public notice dtd: 28.02.2022 was issued and published at the conspicuous places in the vicinity and District Waqf Advisory Committee, Bengaluru Urban District. The Mahazar report dtd: 29.03.2022, It is reported that no objections or suggestions have been received.

Sl No. Of Kitab- ul- Awqaf	Details of Properties					Source of Waqf	Nature of Management
	Waqf Institution Details	Name of the Village/ Town	Sy No./ CTS / VPC/ Khata	Extent (A-G/ Sqft.)	Boundaries E W N S		
612	Masjid-e-Taqwa under the Management of "Taqwa Educational Trust & Taqwa Islamic Dawah Centre, R.K.Hegde Nagar, SRK Nagar Post, KR Puram Hobli, Bengaluru – 560045	R.K.Hegde Nagar, SRK Nagar Post, KR Puram Hobli	Site No. 595 Assesme nt No. 88	<u>E – W = 50</u> <u>FT</u> <u>N – S = 30</u> <u>FT</u> <u>Total –</u> <u>1500 sqft.</u>	East: Site No. 529. West : Road. North: Site No. 594. South : Site No. 596.	BBMP Tax Receipt	President / Secretary Taqwa Educational Trust & Taqwa Islamic Dawah Centre.

This certificate is issued by virtue of powers delegated vide order no. KSW/09/ADM/2010-11 Dated:

19.05.2016 of KSBA

(Dr. Maazuddin Khan)
Addl. Chief Executive Officer
Karnataka State Board of Auqaf.



KARNATAKA STATE BOARD OF AUQAF



{Constituted by the Govt. of Karnataka under the Waqf Act, 1995 (Central Act-43 of 95)}

"Darul Auqaf" # 6, Cunningham Road, Bengaluru-560 052

Tel: 080-22264 594/22264 595 Fax: 080-22255 663

Website: www.karwaqf.org / e-mail: info@karwaqf.org.

No. KSBA/REG/07/BNU/2019-20

Date : 22.05.2019

CERTIFICATE OF REGISTRATION

It is hereby certified that the below mentioned Waqf is registered with the Karnataka State Board of Auqaf under Section 36 of Waqf Act, 1995.

Sl No. of Kitabul Auqaf	Name, Class & Description of the Waqf	Particulars of Waqf Properties	Name of the Muthawali
581	Masjid-e-Bilal Ahle Hadees Bengaluru Waqf situated at Hennur, Bellary Road(HBR Layout) 8 th Cross, 2 nd Block, 1 st Stage, Bengaluru - 560043	<p><u>PROPERTY</u></p> <p>Property No. 721, (New No. 0026/721/A, (721/A) Khata No. 607/0026/721/A PID No. 024-WO490-1 situated at Hennur, Bellary Road (HBR Layout) 8th cross, 2nd block, 1st Stage, Bengaluru.</p> <p>Measuring: East : 33.8 feet West : 28.8 feet North : 34.0 feet South : 45.0 feet Total : 1236 sq.ft.</p> <p>Boundries: East : 8th B Cross Service Road. West: Site No. 722 North : Remaining portion of same site no. 721 belongs to Shaik Mohammed Hussain. South : 9th Main Road.</p>	Managed by Muthavalli as per Waqf Deed. Dated : 09.04.2019

This Certificate is issued under the power delegation vide order no. KBW/09/ADM/10-11, Dated: 19.05.2016.

Addl Chief Executive Officer
Karnataka State Board of Auqaf

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ಪತ್ತನ, ಪೊತ ಪರಿವಹನ ಔರ ಜಲಮಾರ್ಗ ಮಂತ್ರಾಲಯ**ನವ ಮಂಗಲೂರ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ****ಪಣಬೂರ, ಮಂಗಲೂರ**

ಸಂ. 1/3/2022/ಇಆರಁಸ. 1 ದಿನಾಂಕ 3 ನವೆಂಬರ್, 2022

ಅಧಿಸೂಚನಾ

ಮಹಾ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ ಅಧಿನಿಯಮ, 2021 ಕೀ ಧಾರಾ 72(2) (i) ದ್ವಾರಾ ಪ್ರದತ್ತ ಶಕ್ತಿಯೊಂ ಕಾ ಪ್ರಯೋಗ ಕರತೆ ಹುಁ, ನವ ಮಂಗಲೂರ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ ಕಾ ಮಂಡಲ ಁತದ್ ದ್ವಾರಾ ಇಸ ಅಧಿಸೂಚನಾ ಕೆ ಸಾಥ ಸಲಗ್ನ ಅನುಸೂಚೀ ಮೆಂ ದೀಁ ಗಁ ನವ ಮಂಗಲೂರ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ ಕರ್ಮಚಾರೀ (ಭರ್ತೀ, ವರಿಷ್ಠತಾ ವ ಪದೊನ್ನತಿ) ಸಂಶೋಧನ ವಿನಿಯಮ, 2022 ಕಾ ಅನುಮೊದನ ಕರತಾ ಹೆ.

ಁಕ್ತ ವಿನಿಯಮ ಮಹಾ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ ಅಧಿನಿಯಮ, 2021 ಕೀ ಧಾರಾ 72(2) (i) ಕೆ ಅನುಸಾರ ರಾಜ್ಯ ಕೆ ಸರಕಾರೀ ರಾಜಪತ್ರ ಮೆಂ ಇಸ ಅಧಿಸೂಚನಾ ಕೆ ಪ್ರಕಾಶನ ಕೀ ತಾರೀಖ ಸೆ ಪ್ರವೃತ್ತ ಹೊಂಗೆ.

ಅನುಸೂಚೀ**ನವ ಮಂಗಲೂರ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ**

ನವ ಮಂಗಲೂರ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ ಕರ್ಮಚಾರೀ (ಭರ್ತೀ, ವರಿಷ್ಠತಾ ವ ಪದೊನ್ನತಿ)
ಸಂಶೋಧನ ವಿನಿಯಮ, 2022

ಮಹಾ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ ಅಧಿನಿಯಮ, 2021 ಕೀ ಧಾರಾ 72 (2) (i) ದ್ವಾರಾ ಪ್ರದತ್ತ ಶಕ್ತಿಯೊಂ ಕಾ ಪ್ರಯೋಗ ಕರತೆ ಹುಁ, ನವ ಮಂಗಲೂರ ಪತ್ತನ ಪ್ರಾಧಿಕರಣ ಕಾ ಮಂಡಲ ಁತದ್ ದ್ವಾರಾ ಸಮಯ-ಸಮಯ ಪರ ಯಥಾ ಸಂಶೋಧಿತ, ನವ ಮಂಗಲೂರ ಪತ್ತನ ನ್ಯಾಸ ಕರ್ಮಚಾರೀ (ಭರ್ತೀ, ವರಿಷ್ಠತಾ ವ ಪದೊನ್ನತಿ) ವಿನಿಯಮ, 2009 ಕೊ ಆಗೊ ಸಂಶೋಧನ ಕರನೊ ಕೆ ಲೀಁ ನಿಮ್ನಲಿಖಿತ ವಿನಿಯಮ ಬನಾತಾ ಹೆ.

(ವಿನಾಯಕ ರಾವ ಬೀ.ಁಸ)
ಸಚಿವ ಸಾಂ. /ವಿ.ಸ ಁವಂ ಮು.ಲೊ.ಅ.

**MINISTRY OF PORTS, SHIPPING AND WATERWAYS
NEW MANGALORE PORT AUTHORITY
Panambur, Mangalore**

No.1/3/2022/ERS.1 dated, 3rd November, 2022

NOTIFICATION

In exercise of the powers conferred by Section 72(2)(i) of the Major Port Authority Act, 2021, the Board of New Mangalore Port Authority hereby approves the New Mangalore Port Authority Employees (Recruitment, Seniority and Promotion) Amendment Regulations, 2022 as set-out in the Schedule annexed to this notification.

The said Regulations shall come into force from the date of publication of this Notification as per Section 72(2)(i) of the Major Port Authority Act, 2021 in the Official Gazette of the State.

SCHEDULE

NEW MANGALORE PORT AUTHORITY

New Mangalore Port Authority Employees (Recruitment, Seniority and Promotion)
Amendment Regulations, 2022

In exercise of the powers conferred by Section 72(2)(i) of the Major Port Authority Act, 2021, the Board of the New Mangalore Port Authority hereby makes the following regulations further to amend the New Mangalore Port Trust Employees (Recruitment, Seniority and Promotions) Regulations, 2009 as amended from time to time.

(Vinayaka Rao B.S)
Secretary Stat./FA & CAO

कनष्टि आशुलिपिक पद हेतु भर्ती नियमावली

क्र. सं.	पद का नाम	पदों की सं.	वेतनमान	वर्गीकरण	सीधी भर्ती के लिए ऊपरी आयु सीमा	सीधी भर्ती के लिए निर्धारित शैक्षिक और अन्य योग्यता	क्या सीधी भर्ती के लिए निर्धारित आयु और शैक्षणिक और अन्य योग्यताएं अन्य विभागों और प्रतिनियुक्तियों में प्रोन्नत व्यक्तियों और सदृश पदों पर रहने वाले व्यक्ति के मामले में लागू होगी।	भर्ती की पद्धति-चाहे पदोन्नति/स्थानांतरण/प्रतिनियुक्ति/सीधी भर्ती द्वारा और भर्ती के विभिन्न तरीकों से भरी जाने वाली रिक्तियों का प्रतिशत	पद चयन पद है या गैर चयन पद (केवल पदोन्नति के लिए)	पदोन्नति या स्थानांतरण के मामले में, संवर्ग जिनसे पदोन्नति या स्थानान्तरण किया जाएगा	परिचीक्षा की निर्धारित अवधि	टिप्पणी
1	2	3	4	5	6	7	8	9	10	11	12	13
30	कनिष्ठ आशुलिपिक	07	रु.2740-70500	समूह 'ग'	18से 25वर्ष	आशुलिपि में न्यूनतम गति 80 मिनट प्रति शब्द और टंकण में 40 मिनट प्रति शब्द सहित मैट्रिक या समकक्ष	आयु : नहीं शैक्षिक योग्यता: जी हां	पदोन्नतिद्वारा, ऐसा न होने पर आमेसन/प्रतिनियुक्ति द्वारा और दोनों तरीके से न होने पर सीधी भर्ती द्वारा	चयन	पदोन्नति : ग्रेड में 5वर्षों की नियमितसेवा सहित हिंदी टंकक। सादृश पदधारण करनेवाले कर्मचारियों/महा पत्तनों में इसी ग्रेड में 5 वर्षों की नियमितसेवा के साथ हिंदी टंककसे आमेसन/प्रतिनियुक्ति	02 वर्ष	शून्य

ಭಾಗ ೩

ಕರ್ನಾಟಕ ರಾಜ್ಯಪತ್ರ, ಬುಧವಾರ, ೨೩, ನವೆಂಬರ್, ೨೦೨೨

೧೩೧೨೩

Recruitment Rules for the post of Junior Stenographer

Sl. No	Name of the Post	No of Posts	Scale of Pay	Classification	Age limit lower and upper for direct recruits	Educational qualifications and other qualifications required for direct recruitment	Whether age and educational and other qualifications prescribed for direct recruits will apply in the case of promotees and persons holding analogous post in other department and deputationists	Method of recruitment: Whether by Promotion/ Transfer/ Deputation or direct recruitment and percentage of vacancies to be filled by different methods of recruitment	Whether the post is selection post or non-selection post (for promotion only)	In case of Promotion or transfer, cadres from which promotion or transfer shall be made	Prescribed period of probation	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
30	Junior Stenographer	7	Rs. 27400-70500	Group 'C'	18 to 25 years	Matriculation or equivalent with a min speed of 80 w.p.m in shorthand and 40 w.p.m in typewriting.	Age: No, Qualification: Yes	By Promotion failing which by absorption/deputation failing both by Direct Recruitment	Selection	Promotion: Hindi Typist with 5 years regular service in the grade. Absorption/ Deputation is from the Officials holding analogous posts/ Hindi Typist with 5 years regular service in the grade in Major Ports.	2 years	Nil

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